

Module 3 Assignment - Ques 1

Dimensions –

- Franchise
- Member
- Merchandise
- Calendar
- ProductService

FranchRegion can be made hierarchical in Franchise Dimension.

MmbrEmail can be parsed to be hierarchical as part of the Member dimension.

Standard Data warehouse Dimension - Calendar

Product is a combination of ServiceCategory,Special Event Worksheet.

Calendar is a hierarchical dimension.

1.Franchise

- FranchId: ERD only
- FranchRegion (Franchise table) ERD only,hierarchical(Country -> FranchRegion)
- FranchPostalCode: ERD only;
- FranchModelType: ERD only;

2.Member

- MmbrId: (ERD) | (Corporate CustomerId (Worksheet))
- MmbrName: (ERD) | (Corporate Customer Name (Worksheet)).
- MmbrZip: (ERD) only.
- MmbrEmail: (ERD) only ,Hierarchical (top level domain → second level domain → local part)
- MmbrType: (From MemberType Table)
- Customer Location(worksheet),
If Zip codes can be found out for region,we can enter zip codes for corporate customers.

3.Calendar

- Date columns in the ERD (MmbrDate, ServPuchDate, and SaleDate) and spreadsheet (EventDate). EventDate can be added as ServPurchDate as on that day event was purchased and amount was given.
- hierarchical (year → month → day).

4.Merchandise

- MerchId: ERD only.
- MerchName: ERD only.
- MerchType: ERD only.

5. ProductService (ServiceCategory + SpecialEventsWorksheet)

- ProdId : ERD.
(ServCatId (ServiceCategory Table).
Some special Id for Special events.
- ProdName: ERD and Special Events Worksheet .
(ServCatName) | (Event Name(Special Events Worksheet)
- ProdType : Special Events Worksheet
(Event Type Code(Special Events Worksheet)) and Service Type for Service Category.